

Application No. 10/588661
Responsive to the office action dated June 17, 2009

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A pyrotechnic gas-generating composition comprising:
an oxidizing charge ~~constituted by~~ comprising basic copper nitrate (BCN)[[;]];
a reducing charge ~~constituted by~~ comprising guanidine nitrate (GN); and
a binder,
the composition ~~being characterized in that it also further~~ comprises:
~~an additional reducing charge selected from the group formed by hexogene~~
(RDX), octogene (HMX), pentaerythritol tetranitrate (PETN), triaminoguanidine nitrate (TAGN),
nitroguanidine, 3-nitro-1,2,4-triazol-5-one (ONTA) and mono- and bi-tetrazoles; and/or,
advantageously and
~~ammonium perchlorate (NH₄ClO₄) as an additional oxidizing charge, which~~
forms a solid solution obtained by substitution with guanidine nitrate (GN)[[;]], and
~~in that wherein~~ the binder, which is hydrosoluble, comprises ~~is based on~~ a mixture
of at least one carboxymethylcellulose with a high molecular mass and at least one
carboxymethylcellulose with a low molecular mass, in a mass ratio in ~~[[the]]~~ a range of
95/5 to 60/40.
2. (Currently amended) The composition according to claim 1, characterized in that
the basic copper nitrate (BCN) is present in a mass fraction in ~~[[the]]~~ a range of 50% to
60% of ~~[[the]]~~ a total composition mass.
3. (Currently amended) The composition according to claim 1, characterized in that
the guanidine nitrate (GN) is present in a mass fraction in ~~[[the]]~~ a range of 20% to 40%
of ~~[[the]]~~ a total composition mass.

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4. (Currently amended) The composition according to claim ~~[[1]]~~15, characterized in that the additional reducing charge is hexogene (RDX) or octogene (HMX).

5. (Currently amended) The composition according to claim ~~[[1]]~~15, characterized in that the additional reducing charge is present in a mass fraction of less than 15% ~~with respect to of~~ ~~[[the]]~~ a total composition mass.

6-7. (canceled)

8. (Currently amended) The composition according to claim 1, characterized in that the additional oxidizing charge is present in a mass fraction of less than 15% of ~~[[the]]~~ a total composition mass.

9. (Currently amended) The composition according to claim 1, characterized in that the binder is present in a mass fraction in ~~[[the]]~~ a range of 2% to 15% of ~~[[the]]~~ a total composition mass.

10. (Currently amended) Pyrotechnic compounds ~~able to be~~ obtained from a composition according to claim 1.

11. (Currently amended) The pyrotechnic compounds according to claim 10, wherein the compounds are in a form selected from the group consisting of pellets and disks ~~manufactured and formed by a pelletization or disk compression process.~~

12. (Currently amended) The pyrotechnic compounds according to claim 10, wherein the compounds are in an extruded form ~~manufactured and formed by an extrusion process.~~

13. (Currently amended) The pyrotechnic compounds according to claim 10, wherein the compounds are in a form selected from the group consisting of ~~[[the]]~~ a monolithic, a mono-perforated ~~or and~~ a multi-perforated type.

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14. (Currently amended) The pyrotechnic compounds according to claim 12, wherein the compounds are in a form selected from the group consisting of [[the]]a monolithic, a mono-perforated, or and a multi-perforated type.

15. (New) The composition according to claim 1, further comprising at least one additional reducing charge selected from the group consisting of hexogene (RDX), octogene (HMX), penthrite (PETN), triaminoguanidine nitrate (TAGN), nitroguanidine, 3-nitro-1,2,4-triazol-5-one (ONTA), mono-tetrazole, and bi-tetrazole.

16. (New) The composition according to claim 1, wherein hexogene (RDX) is present as an additional reducing charge.